

Message Text

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TAGS: TSPA, UR

SUBJECT: SPACE METEOROLOGY: SATELLITES (04.02.00)

FOR SCICOUN

1. PLEASE PASS THE FOLLOWING MESSAGE FROM MR. YATES,
MEMBER US/USSR WORKING GROUP ON SATELLITE METEOROLOGY, TO
HIS SOVIET COUNTERPART, DR. PAHOMOV, WITH A COPY TO
INTERCOSMOS.

2. FEBRUARY 23, 1977

DR. PAHOMOV
C/O DR. L. A. ALEKSANDROV
HYDROMETEOROLOGICAL SERVICE OF THE USSR
12, PAVLIK MOROZOV STREET
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MOSCOW, D-376, USSR

DEAR DR. PAHOMOV:
DEAR DR. PAHOMOV:

PARAGRAPH 4.2.2 OF OUR PROPOSED COORDINATED STUDIES OF
ATMOSPHERIC SOUNDING METHODS PROVIDES FOR POSSIBILITY OF US

MAKING 10 HIRS FILTERS AVAILABLE TO THE SOVIET SIDE FOR THE PERIOD OF THE PLANNED SOVIET BALLOON MEASUREMENTS. TO AID IN OUR CONSIDERATION OF THIS PROPOSAL, PLEASE ADVISE SIZE FILTERS SOVIET INSTRUMENT CAN ACCOMMODATE (I.E., DIAMETER OF CIRCULAR FILTER AND MAXIMUM THICKNESS ALLOWED). ALSO PLEASE ADVISE WHETHER SOVIET INSTRUMENT FILTER HOLDER CAN BE ADAPTED TO ACCOMMODATE DIFFERENT SIZE FILTERS, SPECIFICALLY UP TO 25MM IN DIAMETER AND 2MM THICK. LATTER DIMENSIONS ARE A STANDARD SIZE IN WHICH SOME FILTERS ALREADY AVAILABLE. FILTERS FOR HIRS SATELLITE INSTRUMENT ARE DESIGNED FOR F1.8 OPTICAL SYSTEM AND AMBIENT TEMPERATURE 35C. ALSO FILTERS WILL PASS SOME RADIATION OF WAVELENGTH SHORTER THAN 5 MICROMETERS. HIRS OPTICAL SYSTEM HAS OTHER ELEMENTS WHICH ARE OPAQUE BELOW 5 MICROMETERS. THESE FACTORS INFLUENCE SPECTRAL BANDPASS OF FILTERS. PLEASE ADVISE F NUMBER (OPTICAL SPEED) AND OPERATING TEMPERATURE FILTERS WILL ENCOUNTER IN YOUR BALLOON INSTRUMENT. SOME CHANGE IN FILTERS MAY BE POSSIBLE TO ACCOMMODATE DIFFERENT CONDITIONS BUT WE MUST KNOW ABOUT SUCH CONDITIONS SOONEST.

SINCERELY,

MR. HAROLD YATES

CC: INTERCOSMOS

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Message Attributes

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